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U. S. DEPT. OF AGRICULTURE
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JUN 2 - 1965

CURRENT SERIAL RECORDS

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

UNITED STATES DEPARTMENT of AGRICULTURE---SOIL CONSERVATION SERVICE,
and
STATE ENGINEER of UTAH

In cooperation with U.S. Forest Service, Bureau of Reclamation,
Utah Fish and Game Dept., Utah Agricultural Experiment Station,
U.S. National Park Service, U.S. Geological Survey; and other
Federal, State, and private organizations.

AS OF
MAY 1, 1965

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Water Supply Outlook Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from advance estimates of the streamflow.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, up to 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

Streamflow forecasts are obtained by a comparison of total or maximum snow accumulation, as measured by snow water equivalent, to the subsequent spring and summer or snowmelt season runoff over a period of years. The snow water equivalent measured in selected snow courses provides most of the index to the streamflow forecast for the following season. More accurate forecasts are usually obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast procedure. Early season forecasts assume average climatic conditions through the snowmelt season.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions. Soil Conservation Service Reports may be secured from Soil Conservation Service, 511 N.W. Broadway - Room 507, Portland, Oregon 97209.

PUBLISHED BY SOIL CONSERVATION SERVICE

| <u>REPORTS</u> | <u>ISSUED</u> | <u>LOCATION</u> | <u>COOPERATING WITH</u> |
|-------------------------------|--|------------------------------|--|
| RIVER BASINS | | | |
| WESTERN UNITED STATES _____ | MONTHLY (FEB.-MAY) _____ | PORTLAND, OREGON _____ | ALL COOPERATORS |
| BASIC DATA SUMMARY _____ | OCTOBER 1 _____ | PORTLAND, OREGON _____ | ALL COOPERATORS |
| STATES | | | |
| ALASKA _____ | MONTHLY (MAR.-MAY) _____ | PALMER, ALASKA _____ | ALASKA S.C.D. |
| ARIZONA _____ | SEMI-MONTHLY _____ (JAN.15 - APR.1) | PHOENIX, ARIZONA _____ | SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION |
| COLORADO AND NEW MEXICO _____ | MONTHLY (FEB.-MAY) _____ | FORT COLLINS, COLORADO _____ | COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER |
| IDAHO _____ | MONTHLY (JAN.-JUNE) _____ | BOISE, IDAHO _____ | IDAHO STATE RECLAMATION ENGINEER |
| MONTANA _____ | MONTHLY (JAN.-JUNE) _____ | BOZEMAN, MONTANA _____ | MONT. AGR. EXP. STATION |
| NEVADA _____ | MONTHLY (JAN.-MAY) _____ | RENO, NEVADA _____ | NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES DIVISION OF WATER RESOURCES |
| OREGON _____ | MONTHLY (JAN.-JUNE) _____ | PORTLAND, OREGON _____ | OREG. STATE UNIVERSITY OREGON STATE ENGINEER |
| UTAH _____ | MONTHLY (JAN.-JUNE) _____ | SALT LAKE CITY, UTAH _____ | UTAH STATE ENGINEER |
| WASHINGTON _____ | MONTHLY (FEB.-JUNE) _____ | SPOKANE, WASHINGTON _____ | WN. STATE DEPT. OF CONSERVATION |
| WYOMING _____ | MONTHLY (FEB.-JUNE) _____ | CASPER, WYOMING _____ | WYOMING STATE ENGINEER |

PUBLISHED BY OTHER AGENCIES

| <u>REPORTS</u> | <u>ISSUED</u> | <u>AGENCY</u> |
|------------------------|---------------------------|---|
| BRITISH COLUMBIA _____ | MONTHLY (FEB.-JUNE) _____ | WATER RESOURCES SERVICE, DEPT. OF LANDS, FOREST AND WATER RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA |
| CALIFORNIA _____ | MONTHLY (FEB.-MAY) _____ | CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF. |

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

MAY 1, 1965

Report prepared by

GREGORY L. PEARSON - GARRY DINSDALE

and

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SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
FEDERAL BLDG., ROOM 4012
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LOGAN, UTAH

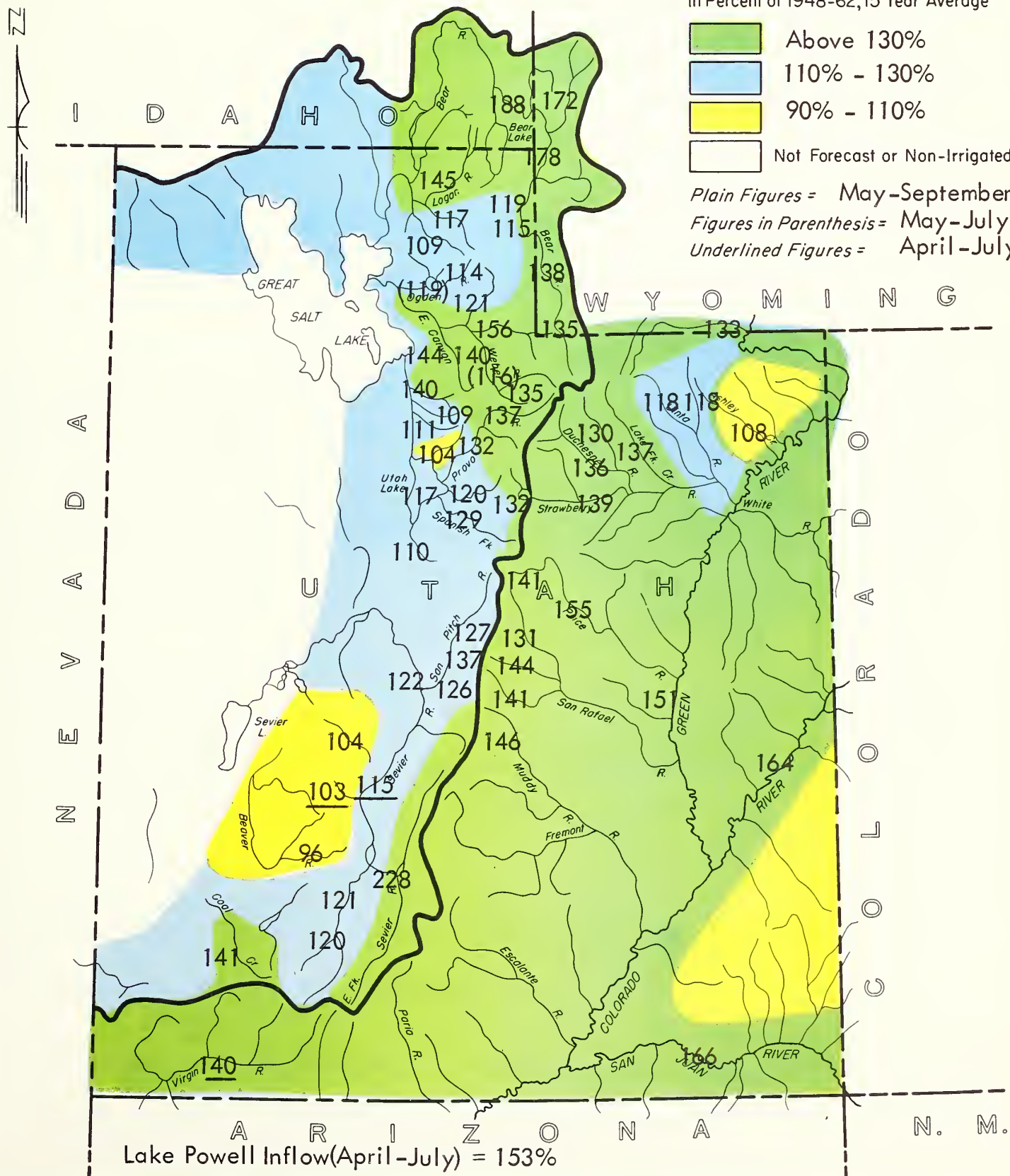
Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

Approximate Date



| | |
|---|-------------------------------|
|  | Above 130% |
|  | 110% - 130% |
|  | 90% - 110% |
|  | Not Forecast or Non-Irrigated |

Plain Figures = May-September
 Figures in Parenthesis = May-July
Underlined Figures = April-July



Lake Powell Inflow(April-July) = 153%

Flaming Gorge Inflow (April-July) = 147%

WATER SUPPLY OUTLOOK

as of

MAY 5, 1965

* * * * *
* The water supply outlook is now good to excellent for the *
* entire state. Forecasts for the majority of streams now *
* range between about 115% to 150% of average. Some high *
* water damage - generally minor in nature - can be expect- *
* ed on streams where forecasts are above about 120% of av- *
* erage. This applies particularly to streams which are *
* not controlled by reservoir regulation. The amount of *
* damage will depend mostly on temperature sequences during *
* the time the streams reach their peak flow. *
* * * * *

With the exception of a few stations near Salt Lake and Farmington, snowfall in the mountains during April was much above average throughout the entire state. Most mountain stations recorded from about 1.5 to over 3.5 times their usual amounts for the month.

Storms were particularly heavy on the Santa Clara, Virgin, Escalante and East Fork Sevier Rivers, where snowfall varied from about 3 to 5.5 times average amounts. The greatest amount of precipitation measured at any station was recorded at the Webster Flat gage(elevation 9200 ft.) on the Virgin river. Here the reading of 11.80 inches compares with the average April amount of 2.95 inches.

The next highest reading was at the Widtsoe-Escalante Summit gage(elevation 9500) between the East Fork Sevier and Escalante rivers. This gage recorded 9.85 inches precipitation during the month and compares with the April average of 1.80 inches. The total amount of water which had fallen at this station between last October 1 and April 1st this year was 10.41 inches, so that the amount which fell during April very nearly equaled the total of the preceding six months.

As a result of these storms, the water outlook has changed from what was only a fair outlook a month ago to an exceptionally good one for water users served by the Virgin, Sevier, Paria and Escalante rivers, and the smaller streams near Cedar City and Parowan. Except for the East Fork Sevier near Kingston where the May-September streamflow is forecast at 228% of average, the other streams named are expected to yield from about 120% to 140% of average.

Although the outlook also improved on other southern streams, it was not nearly as noticeable on the Beaver river, Clear Creek near Sevier, the streams near Fillmore and in southeastern Utah near Moab, Monticello and Blanding. Forecasts for these streams now range from 96% on the Beaver river to about 110% in the Monticello-Blanding area.

WATER SUPPLY OUTLOOK (continued)

Forecasts of the May thru September streamflow range from 130% to 155% of the 1948-62 average for most of the remaining Utah streams which are tributary to the Green and Colorado rivers. Included in this group of streams are the Fremont, Muddy, San Rafael, Price, Strawberry, Duchesne and Lake Fork rivers. The exceptions include Ashley and Brush Creeks near Vernal along with the smaller streams east of them. These should yield from 5% to 10% above average flows. The Whiterocks and Uintah rivers are forecast at 118%

Along the Sevier river, the inflow to the river between Kingston and Vermillion Dam is expected to be 15% above average with about 2,000 to 3,000 acre feet occurring above the primary right of 400 second feet. Inflow from Vermillion Dam to Gunnison is forecast at 20% above average with 6,000 to 7,000 acre feet above 360 second feet. Inflow to Sevier Bridge reservoir for the balance of the season is forecast at 50,000 acre feet, or 122% of average. The tributaries of the San Pitch are expected to flow at about 125% to 135%.

Of the streams tributary to Utah Lake and others between this area and the Idaho line, we find that the lowest forecast is for the American Fork river near American Fork at 4% above average. Streams where forecasts range from about 130% to 160% include the upper Provo, Weber, Logan and Bear rivers, as well as smaller streams such as Parley's Creek near Salt Lake, East Canyon Creek near Morgan and Chalk Creek near Coalville.

About 10% to 30% above average is expected from the remaining northern Utah streams.

Flow of the Logan river will be comparable to that in the highest two or three years of the last 40 years. Smith's Fork of the Bear river near Cokeville, Wyoming, Thomas Fork near Geneva, Idaho, Montpelier and Georgetown Creeks in Idaho and adjacent streams near them are expected to yield about 170% to 180% of average. Flow of these streams is expected to equal or exceed anything measured since 1940.

UTAH STREAMFLOW FORECASTS ^a (1,000 Ac. Ft.)

| FORECAST POINT | FORECAST THIS YEAR | FORECAST PERIOD | LAST YEAR | AVERAGE ^b | THIS YEAR AS PERCENT OF AVERAGE |
|----------------|-----------------------|--------------------|--------------|----------------------|---------------------------------------|
|----------------|-----------------------|--------------------|--------------|----------------------|---------------------------------------|

GREAT BASIN

BEAR RIVER SYSTEM

| | | | | | |
|---------------------------------|------|----------|------|-------|-----|
| Bear at Harer, Idaho | 380 | May-Sept | 252 | 202 | 188 |
| Bear nr Randolph | 123 | May-Sept | 96 | 69 | 178 |
| Bear nr Ut-Wyo State Line | 147 | May-Sept | 121 | 109 | 135 |
| Bear nr Woodruff | 130 | May-Sept | 131 | 94 | 138 |
| Big Crk nr Randolph, Utah | 8.8 | May-Sept | 3.4 | 7.4* | 119 |
| Blacksmith Fork nr Hyrum (4) | 56 | May-Sept | 45 | 48 | 117 |
| Little Bear nr Paradise | 28 | May-Sept | 33 | 25.7 | 109 |
| Logan nr Logan (3) | 170 | May-Sept | 114 | 117 | 145 |
| Smith's Fork nr Border, Wyoming | 174 | May-Sept | 118 | 101 | 172 |
| Woodruff Crk nr Woodruff, Utah | 16.8 | May-Sept | 14.2 | 14.6* | 115 |

WEBER-OGDEN RIVERS

| | | | | | |
|-------------------------------|-----|----------|------|------|-----|
| Chalk Crk at Coalville | 45 | May-Sept | 37 | 28.9 | 156 |
| East Canyon Crk nr Morgan (7) | 23 | May-Sept | 18.6 | 16.0 | 144 |
| Lost Crk nr Croydon, Utah | 16 | May-Sept | 12.9 | 13.2 | 121 |
| Pineview Reservoir Inflow (8) | 86 | May-July | 80 | 72 | 119 |
| So Fork Ogden nr Huntsville | 50 | May-Sept | 57 | 44 | 114 |
| Wanship Reservoir Inflow (5) | 145 | May-July | 123 | 99 * | 146 |
| Weber nr Coalville (6) | 150 | May-Sept | - - | 107 | 140 |
| Weber nr Oakley | 118 | May-June | 101 | 89 | 133 |
| | 152 | May-Sept | 132 | 113 | 135 |

PROVO RIVER & UTAH LAKE

| | | | | | |
|---------------------------------|------|----------|------|------|-----|
| American Fork nr American Fork | 31 | May-Sept | 32 | 29.7 | 104 |
| Hobble Crk nr Springville | 17.5 | May-Sept | 15.8 | 14.6 | 120 |
| Payson Creek nr Payson | 6.6 | May-Sept | - - | 6.0 | 110 |
| Provo nr Hailstone (10) | 130 | May-Sept | 118 | 95 * | 137 |
| Provo at Vivian Park (11) | 155 | May-Sept | - - | 117 | 132 |
| Spanish Fork at Thistle | 40 | May-Sept | 23.0 | 31 | 129 |
| Strawberry Reservoir Inflow (9) | 50 | May-Sept | 44 | 38 | 132 |
| Utah Lake Inflow | 240 | May-Sept | 246 | 205 | 117 |

JORDAN RIVER & SALT LAKE

| | | | | | |
|------------------------------|----|----------|------|------|-----|
| Big Cottonwood nr SLC | 38 | May-Sept | 40 | 35 | 109 |
| Little Cottonwood Crk nr SLC | 40 | May-Sept | 40 | 36 | 111 |
| Parley's Crk nr SLC | 14 | May-Sept | 14.7 | 10.0 | 140 |

(1) Measured flow plus change in storage in Woodruff Narrows Reservoir. (2) Measured flow plus change in storage in Porcupine Reservoir. (3) Includes U.P. & L. Co. tailrace and Logan, Hyde Park & Smithfield Canal. (4) Above Utah Power & Light Company's dam. (5) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship Reservoir, plus diversion by Weber-Provo Canal. (6) Includes diversion by Weber-Provo Canal and change in storage in Wanship Reservoir. (7) Observed flow plus change in storage in East Canyon Reservoir. (8) Inflow record as computed by U.S. Bureau of Reclamation. (9) Change in storage plus diversion thru Strawberry tunnel. (10) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal. (11) Observed flow plus change in storage in Deer Creek reservoir, minus diversions thru Duchesne tunnel & Weber-Provo Canal, plus diversion thru Salt Lake Aqueduct.

UTAH STREAMFLOW FORECASTS ^a (1,000 Ac. Ft.)

| FORECAST POINT | FORECAST THIS YEAR | FORECAST PERIOD | LAST YEAR | AVERAGE ^b | THIS YEAR AS PERCENT OF AVERAGE |
|----------------|-----------------------|--------------------|--------------|----------------------|---------------------------------------|
|----------------|-----------------------|--------------------|--------------|----------------------|---------------------------------------|

SEVIER RIVER

| | | | | | |
|-----------------------------------|------|----------|------|------|-----|
| Chalk Creek nr Fillmore | 13.5 | May-Sept | 16.7 | 13.0 | 104 |
| Clear Crk nr Sevier (Abv.Div.) | 10.2 | May-June | 11.4 | 9.9* | 103 |
| East Fork Sevier nr Kingston (12) | 20 | May-June | 8.7 | 8.0 | 250 |
| | 28 | May-Sept | 12.1 | 12.3 | 228 |
| Inflow | | | | | |
| Kingston to Vermillion Dam | 45 | Apr-June | - - | 39 | 115 |
| Vermillion Dam to Gunnison | 71 | Mar-June | - - | 59 | 120 |
| Salina Crk at Salina (14) | 13 | May-June | 5.1 | 6.8* | 191 |
| Sevier nr Circleville | 40 | May-Sept | 17.4 | 33 * | 121 |
| Sevier nr Gunnison a | 50 | May-Sept | 22.6 | 41 | 122 |
| Sevier at Hatch | 31 | May-June | 20.8 | 25.8 | 120 |
| | 47 | May-Sept | 30.6 | 39 | 120 |
| Sevier nr Kingston | 18.5 | May-June | 5.5 | 13.5 | 137 |
| | 24 | May-Sept | 6.9 | 18.1 | 133 |
| Sevier below Piute Dam (13) | 70 | May-Sept | 17.0 | 30 | 233 |

SAN PITCH RIVER

| | | | | | |
|------------------------------|------|----------|-----|-------|-----|
| Ephraim Creek nr Ephraim | 18.2 | May-Sept | - - | 14.5 | 126 |
| Pleasant Crk nr Mt. Pleasant | 11.2 | May-Sept | 8.3 | 8.8 * | 127 |
| Twin Crk nr Mt. Pleasant | 5.7 | May-Sept | 4.5 | 4.3 * | 133 |

BEAVER RIVER

| | | | | | |
|---------------------------------|------|----------|------|------|----|
| Beaver nr Beaver | 15.5 | May-June | 12.7 | 16.1 | 96 |
| | 21.5 | May-Sept | 18.8 | 22.3 | 96 |
| Rockyford Reservoir Inflow (15) | 4 | May-June | 1.4 | 6.7 | 60 |

COAL CREEK

| | | | | | |
|------------------------|----|----------|------|------|-----|
| Coal Crk nr Cedar City | 18 | May-Sept | 13.2 | 12.8 | 141 |
|------------------------|----|----------|------|------|-----|

COLORADO RIVER BASIN

GREEN RIVER TRIBUTARIES IN UTAH

FLAMING GORGE TO DUCHESNE RIVER

| | | | | | |
|-------------------------|----|----------|-----|------|-----|
| Ashley Creek nr Vernal | 57 | May-Sept | 54 | 53 | 108 |
| Henry's Fork at Linwood | 38 | May-Sept | - - | 28.5 | 133 |

(12) Observed flow plus change in storage in Otter Creek Reservoir. (13) Observed flow plus change in storage in Otter Crk & Piute Reservoirs. (14) Gage is below diversions near Salina. (15) Observed flow at Rockyford Dam, corrected for change in storage in Rockyford Reservoir. (16) Observed flow plus diversion through Duchesne Tunnel.

UTAH STREAMFLOW FORECASTS ^a (1,000 Ac. Ft.)

| FORECAST POINT | FORECAST THIS YEAR | FORECAST PERIOD | LAST YEAR | AVERAGE ^b | THIS YEAR AS PERCENT OF AVERAGE |
|----------------|-----------------------|--------------------|--------------|----------------------|---------------------------------------|
|----------------|-----------------------|--------------------|--------------|----------------------|---------------------------------------|

DUCHESNE RIVER

| | | | | | |
|---|-----|----------|-----|------|-----|
| Duchesne at Provo River (Trail nr Hanna) | 50 | May-Sept | - - | 33 * | 152 |
| Duchesne nr Tabiona (16) | 141 | May-Sept | 116 | 104 | 136 |
| Lakefork below Moon Lake (17) | 93 | May-Sept | 84 | 68 | 137 |
| Rock Crk nr Mtn. Home | 127 | May-Sept | 115 | 98 | 130 |
| Strawberry at Duchesne | 82 | May-Sept | 51 | 59 | 139 |
| Uinta nr Neola | 106 | May-Sept | 123 | 90 | 118 |
| Whiterocks nr Whiterocks | 72 | May-Sept | 71 | 61 | 118 |
| Yellowstone nr Altonah | 95 | May-Sept | 86 | 69 | 138 |

PRICE RIVER

| | | | | | |
|--------------------------------|------|----------|------|------|-----|
| Gooseberry Crk nr Scofield | 14.5 | May-Sept | 11.3 | 10.9 | 133 |
| Price nr Heiner (18) | 82 | May-Sept | 45 | 53 | 155 |
| Scofield Reservoir Inflow (18) | 45 | May-Sept | 29.6 | 32 | 141 |

SAN RAFAEL RIVER

| | | | | | |
|-------------------------------|----|----------|----|----|-----|
| Cottonwood Crk nr Orangeville | 75 | May-Sept | 43 | 52 | 144 |
| Ferron Crk nr Ferron | 55 | May-Sept | 32 | 39 | 141 |
| Huntington Crk nr Huntington | 68 | May-Sept | 44 | 52 | 131 |

MUDDY RIVER

| | | | | | |
|----------------------|----|----------|------|--------|-----|
| Muddy Creek nr Emery | 30 | May-Sept | 17.2 | 20.5 * | 146 |
|----------------------|----|----------|------|--------|-----|

VIRGIN RIVER

| | | | | | |
|------------------|----|----------|----|----|-----|
| Virgin nr Virgin | 60 | Apr-June | 37 | 43 | 140 |
|------------------|----|----------|----|----|-----|

UPPER COLORADO BASIN

| | | | | | |
|---------------------------------|--------|----------|------|------|-----|
| Colorado nr Cisco, Utah | 5,400 | May-Sept | 2310 | 3291 | 164 |
| Flaming Gorge Inflow (19) | 1,660 | Apr-July | 1180 | 1129 | 147 |
| Lake Powell Inflow (8) | 11,800 | Apr-July | 5483 | 7692 | 153 |
| Green at Green River, Utah (19) | 4,370 | May-Sept | 2614 | 2899 | 151 |
| San Juan nr Bluff, Utah (20) | 1,600 | May-Sept | 574 | 963 | 166 |

(17) Observed flow plus change in storage in Moon Lake Reservoir. (18) Observed flow plus change in storage in Scofield Reservoir. (19) Observed flow plus change in storage in Flaming Gorge and Big Sandy Reservoirs. (20) Observed flow plus change in storage in Navajo Reservoir. (21) Observed flow at Lee's Ferry plus change in storage in Flaming Gorge, Navajo, Lake Powell and Big Sandy.

GENERAL FOOTNOTES

(a) Runoff forecasts are based principally on mountain snow cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. The discharge data is taken from preliminary records of the U.S. Geological Survey. (b) 1948-62, 15 year period. *Partly estimated.

RESERVOIR STORAGE (1,000 Ac. Ft.)

| BASIN or STREAM | RESERVOIR | USABLE CAPACITY | MEASURED (FIRST OF MONTH) | | |
|-----------------|-----------|--------------------|----------------------------|-----------|----------------------|
| | | | THIS YEAR | LAST YEAR | AVERAGE ^a |

GREAT BASIN

| | | | | | |
|---------------------|------------------|--------|--------|-------|-------|
| <u>Bear River</u> | Bear Lake | 1421.0 | 1016.8 | 802.9 | 983.5 |
| | Woodruff Narrows | 26.5 | 18.0 | 26.2 | - - |
| <u>Beaver River</u> | Rocky Ford | 23.3 | 9.2 | 8.5 | 13.7 |
| <u>Little Bear</u> | Hyrum | 15.3 | 16.0 | 15.3 | 14.4 |
| | Porcupine | 11.3 | 11.3 | - - | - - |
| <u>Ogden</u> | Pineview | 110.0 | 97.4 | 60.3 | 33.6 |
| <u>Provo</u> | Deer Creek | 149.7 | 95.3 | 102.3 | 104.7 |
| <u>Sevier River</u> | Otter Creek | 52.5 | 24.4 | 24.5 | 37.4 |
| | Piute | 74.0 | 20.2 | 23.7 | 43.8 |
| | Sevier Bridge | 236.1 | 57.3 | 65.6 | 126.5 |
| <u>Spanish Fork</u> | Strawberry | 270.0 | 76.9 | 64.1 | 149.3 |
| <u>Utah Lake</u> | Utah Lake (b) | 1149.0 | 542.3 | 395.2 | 650.3 |
| <u>Weber</u> | East Canyon | 28.7 | 2.9 | 24.5 | 21.1 |
| | Echo | 73.9 | 46.1 | 53.5 | 51.1 |
| | Rockport | 60.9 | 37.6 | 35.1 | - - |
| | Willard Bay | 215.0 | 145.8 | - - | - - |

COLORADO RIVER DRAINAGE

| | | | | | |
|---------------------|---------------|-----------|---------|---------|------|
| <u>Ashley Creek</u> | Steinaker | 33.3 | 18.0 | 11.5 | - - |
| <u>Colorado</u> | Lake Powell | 27,000.0* | 6,171.0 | 2,656.0 | - - |
| <u>Green</u> | Flaming Gorge | 3,789.0* | 584.6 | 945.3 | - - |
| <u>Lake Fork</u> | Moon Lake | 35.8 | 14.3 | 22.9 | 16.4 |
| <u>Price River</u> | Scofield | 65.8 | 19.5 | 15.2 | 25.4 |
| <u>San Juan</u> | Navajo | 1,709.0* | 388.4 | 372.6 | - - |

All data contained in this table supplied by the U.S. Geological Survey.

(a) 1948-62 average. (b) Active capacity taken at 3.1 feet above compromise point. (c) Partly estimated.

(d) Total capacity reported.

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-----|-----------|---------------------|---------------------|------------------------|------------------------|----------------------|
| | | | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | |
| NAME | NO. | ELEVATION | | | | LAST YEAR | AVERAGE ^a |

GREAT BASIN DRAINAGE

UPPER BEAR RIVER
(Above Harer, Idaho)

| | | | | | | | |
|----------------------|-------|------|------|----|------|------|-------|
| Big Park | 10G11 | 8700 | 4/28 | 70 | 30.7 | 21.2 | 20.0* |
| Burts-Miller Ranch | 10J6 | 7900 | 4/23 | 10 | 4.7 | 2.8 | 0.0* |
| CCC Camp x | 10G7 | 7500 | 4/29 | 20 | 8.7 | 12.3 | 4.6* |
| Hayden Fork | 10J7 | 9300 | 4/23 | 56 | 22.8 | 18.0 | 17.7* |
| Kelly Ranger Station | 10G12 | 8200 | 4/28 | 66 | 28.6 | 19.4 | 15.9* |
| Monte Cristo R. S. | 11H12 | 8960 | 4/28 | 74 | 32.6 | 27.1 | 26.2* |
| Piney LaBarge x | 10G10 | 8820 | 4/30 | 52 | 25.0 | 19.1 | 18.5 |
| Poison Meadows x | 10G6 | 8500 | 4/30 | 93 | 41.8 | 31.0 | 30.9* |
| Salt River Summit x | 10G8 | 7900 | 4/29 | 37 | 17.8 | 16.3 | 9.8* |
| Stillwater Camp | 10J17 | 8550 | 4/23 | 36 | 13.9 | 11.2 | 7.5* |
| Trial Lake x | 10J8 | 9800 | 4/28 | 92 | 38.8 | 24.9 | 30.9* |

LOWER BEAR RIVER
(Below Harer, Idaho)

| | | | | | | | |
|------------------------|-------|------|-----------|-----|------|------|--------|
| Beaver Crk-Skunk Crk. | 11H14 | 7150 | 4/28 | 14 | 5.4 | 8.6 | 3.4* |
| Dry Bread Pond x | 11H13 | 8230 | 4/28 | 46 | 19.2 | 18.0 | 13.5* |
| Emigrant Summit | 11G6 | 7700 | 4/29 | 65 | 33.0 | 24.6 | - - |
| Garden City Summit | 11H7 | 7600 | 4/30 | 51 | 22.7 | 16.2 | 14.5* |
| Klondike Narrows | 11H1 | 7400 | 4/30 | 43 | 21.8 | 17.3 | 13.9* |
| Little Bear (lower) | 11H26 | 6100 | 4/27 | 0 | 0.0 | 0.0 | Trace* |
| Little Bear (upper) | 11H25 | 6850 | 4/27 | 0 | 0.0 | 5.3 | 1.3* |
| Monte Cristo R.S. | 11H12 | 8960 | 4/28 | 74 | 32.6 | 27.1 | 26.2* |
| Oxford Mountain | 12G3 | 6800 | No Report | | | - - | 1.4* |
| Steep Hollow #1 | 11H27 | 8500 | 4/30 | 112 | 51.6 | 37.2 | 38.5* |
| Steep Hollow #2 | 11H28 | 7700 | 4/30 | 69 | 34.6 | 24.9 | 22.5* |
| Strawberry Creek | 11G9 | 5800 | 4/28 | 0 | 0.0 | 5.3 | 1.3* |
| Strawberry Mink Divide | 11G10 | 6800 | 4/27 | 47 | 23.3 | 16.6 | 13.3* |
| Tony Grove R. S. | 11H3 | 6250 | 4/30 | 0 | 0.0 | 1.4 | 0.6* |
| Willow Flat | 11G4 | 6100 | 4/27 | 14 | 6.4 | 6.2 | 2.4* |

OGDEN RIVER

| | | | | | | | |
|-----------------------|-------|------|------|----|------|------|-------|
| Beaver Crk-Skunk Crk. | 11H14 | 7150 | 4/28 | 14 | 5.4 | 8.6 | 3.4* |
| Ben Lomond (lower) | 11H9 | 5850 | 4/27 | 4 | 1.6 | 8.9 | 3.6* |
| Ben Lomond Peak | 11H8 | 8000 | 4/27 | 89 | 40.9 | 33.6 | 32.3* |
| Ben Lomond Trail | 11H30 | 6000 | 4/27 | 10 | 4.7 | 7.4 | - - |
| Cutler Creek | 11H29 | 6780 | 4/27 | 60 | 26.8 | 24.8 | - - |
| Dry Bread Pond | 11H13 | 8230 | 4/28 | 46 | 19.2 | 18.0 | 13.5* |
| Horse Ridge | 11H21 | 8260 | 4/29 | 56 | 26.2 | 22.6 | - - |
| Monte Cristo R.S. | 11H12 | 8960 | 4/28 | 74 | 32.6 | 27.1 | 26.2* |
| Sagebrush Flat | 11H15 | 6300 | 4/28 | 0 | 0.0 | 0.0 | 0.0* |

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation; Water content estimated. * Estimated 1948-62, 15 year average.

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-----|-----------|---------------------|---------------------|------------------------|------------------------|----------------------|
| | | | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | |
| NAME | NO. | ELEVATION | | | | LAST YEAR | AVERAGE ^a |

WEBER RIVER

| | | | | | | | |
|--------------------------|-------|------|------|----|------|------|-------|
| Beaver Creek R. S. | 11J24 | 7500 | 4/28 | 3 | 1.6 | 3.0 | 1.5* |
| Chalk Creek #1 | 11J1 | 9100 | 4/27 | 80 | 33.6 | 23.8 | 25.5* |
| Chalk Creek #2 | 11J2 | 8000 | 4/27 | 46 | 19.1 | 16.2 | 12.3* |
| Chalk Creek #3 | 11J3 | 7500 | 4/27 | 7 | 3.4 | 6.5 | 1.7* |
| Farmington Canyon(lower) | 11J12 | 6950 | 4/29 | 38 | 16.6 | 24.5 | 21.2* |
| Farmington Canyon(upper) | 11J11 | 8000 | 4/29 | 77 | 35.6 | 28.7 | 30.4* |
| Horse Ridge | 11H21 | 8260 | 4/29 | 56 | 26.2 | 22.6 | - - |
| Kilfore Creek | 11H31 | 7300 | 4/29 | 24 | 10.2 | 11.1 | - - |
| Lamb's Canyon x | 11J14 | 6600 | 4/30 | 19 | 7.6 | 12.0 | 6.5* |
| Lost Creek Reservoir | 11H32 | 6125 | 4/29 | 0 | 0.0 | 0.0 | - - |
| Parley's Canyon Smt. | 11J15 | 7500 | 5/1 | 32 | 15.4 | 19.1 | 11.5* |
| Redden Mine(lower) | 11J6 | 8500 | 4/29 | 53 | 22.2 | 17.5 | 16.8* |
| Redden Mine(upper) | 11J5 | 9000 | 4/29 | 60 | 25.9 | 20.0 | 18.9* |
| Silver Lake x | 11J16 | 8725 | 4/29 | 69 | 31.4 | 26.2 | 26.8* |
| Smith & Morehouse | 11J4 | 7600 | 4/26 | 35 | 16.3 | 12.1 | 5.9* |
| Trial Lake x | 10J8 | 9800 | 4/28 | 92 | 38.8 | 24.9 | 30.9* |

PROVO RIVER & UTAH LAKE

| | | | | | | | |
|-------------------------|-------|------|------|----|------|------|-------|
| Camp Altamont | 11J20 | 7300 | 4/29 | 15 | 6.5 | 8.4 | 6.5* |
| Clear Creek Ridge #1 | 11K21 | 9200 | 4/28 | 56 | 24.4 | 17.6 | 16.2* |
| Clear Creek Ridge #2 | 11K22 | 8000 | 4/28 | 34 | 14.2 | 10.0 | 8.0* |
| Clear Creek Ridge #3 | 11K23 | 6600 | 4/28 | 0 | 0.0 | 0.0 | 0.1* |
| Daniels-Strawberry Smt. | 11J23 | 8000 | 4/30 | 22 | 9.6 | 11.7 | 8.4* |
| Dutchman R.S. | 11J17 | 7500 | 4/29 | 25 | 11.5 | 12.1 | 9.5* |
| Hobble Creek Summit | 11J22 | 7300 | 4/27 | 18 | 8.3 | 11.8 | 6.1* |
| Packard Canyon | 11J31 | 6400 | 4/27 | 0 | 0.0 | 4.1 | 1.0* |
| Payson R. S. | 11K1 | 8050 | 4/27 | 41 | 17.2 | 15.6 | 13.2* |
| Rock Bridge | 11K2 | 6750 | 4/27 | 1 | 0.5 | 9.8 | 4.6* |
| Soapstone R.S. | 11J25 | 7800 | 4/28 | 32 | 14.1 | 11.1 | 5.5* |
| Timpanogos Divide | 11J21 | 8140 | 4/29 | 54 | 24.3 | 18.9 | 18.4 |
| Trial Lake | 10J8 | 9800 | 4/28 | 92 | 38.8 | 24.9 | 30.9* |

JORDAN RIVER & TOOELE VALLEY

| | | | | | | | |
|---------------------------|-------|------|------|-------|-------|------|-------|
| Bevan's Cabin | 12J2 | 6450 | 4/29 | Trace | Trace | 7.4 | 2.3* |
| Lamb's Canyon | 11J14 | 6600 | 4/30 | 19 | 7.6 | 12.0 | 6.5* |
| Middle Canyon-Tooele | 12J3 | 7000 | 4/30 | 16 | 7.2 | 16.3 | 7.4* |
| Mill D South Fork | 11J10 | 7400 | 4/29 | 42 | 19.9 | 21.3 | 13.1* |
| Parley's Canyon Smt.x | 11J15 | 7500 | 5/1 | 32 | 15.4 | 19.1 | 11.5* |
| Rocky Basin-Setlmt. Cayn. | 12J1 | 8900 | 4/29 | 80 | 35.8 | 27.4 | 27.2* |
| Silver Lake | 11J16 | 8725 | 4/29 | 69 | 31.4 | 26.2 | 26.8* |

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-----|-----------|---------------------|---------------------|------------------------|------------------------|----------------------|
| | | | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | |
| NAME | NO. | ELEVATION | | | | LAST YEAR | AVERAGE ^a |

UPPER SEVIER RIVER
(South of Richfield, Utah)

| | | | | | | | |
|------------------------|-------|-------|------|----|------|------|-------|
| Big Flat x | 12L7 | 10290 | 4/27 | 67 | 24.1 | 16.0 | 20.2* |
| Box Creek | 12L4 | 9800 | 4/28 | 46 | 16.8 | 10.2 | 11.5* |
| Castle Valley | 12M13 | 9700 | 4/26 | 43 | 15.3 | 7.2 | 7.0* |
| Cedar Breaks | 12M1 | 10390 | 4/27 | 78 | 29.3 | 16.3 | 19.2* |
| Duck Creek R.S. | 12M4 | 8560 | 4/30 | 39 | 15.2 | 6.8 | 5.2* |
| Fish Lake | 11L3 | 8700 | 4/29 | 17 | 5.0 | 0.7 | 3.0* |
| Harris Flat | 12M5 | 7700 | 4/30 | 16 | 6.4 | 0.0 | 0.3* |
| Kimberly Mine | 12L6 | 8900 | 4/27 | 48 | 17.6 | 16.7 | 13.5* |
| Midway Valley | 12M2 | 9800 | 4/27 | 79 | 29.0 | 17.6 | 21.4* |
| Panguitch Lake | 12M7 | 8200 | 4/26 | 4 | 1.0 | 0.0 | 0.0* |
| Squaw Springs | 12L5 | 9300 | 4/28 | 22 | 6.2 | 2.7 | 2.9* |
| Widtsoe-Escalante Smt. | 11M1 | 9500 | 4/30 | 31 | 12.2 | 3.3 | 2.5* |
| Widtsoe-Escalante #2 | 11M2 | 9500 | 4/30 | 36 | 12.5 | 6.6 | 6.3* |
| Widtsoe-Escalante #3 | 11M3 | 9500 | 4/30 | 43 | 16.4 | 8.5 | 10.0* |

LOWER SEVIER RIVER
(Including San Pitch River)

| | | | | | | | |
|---------------------------|-------|-------|------|----|------|------|-------|
| Beaver Dams | 11K13 | 8000 | 4/27 | 20 | 8.8 | 9.6 | 6.7* |
| Farnsworth Lake | 11L1 | 9900 | 4/28 | 71 | 28.7 | 22.1 | 19.8* |
| G.B.R.C. Headquarters | 11K11 | 8700 | 4/30 | 50 | 20.9 | 16.2 | 14.7* |
| G.B.R.C. Meadows | 11K10 | 10000 | 4/30 | 80 | 35.9 | 25.2 | 28.5* |
| Gooseberry R. S. | 11L2 | 8400 | 4/28 | 38 | 14.8 | 11.3 | 7.3* |
| Gooseberry Reservoir x | 11K4 | 8700 | 4/29 | 53 | 23.1 | 20.0 | 17.9* |
| Mammoth R. S.-Ctnwod.Crk. | 11K3 | 8800 | 4/29 | 53 | 23.5 | 20.4 | 18.8* |
| Mt. Baldy R. S. | 11K12 | 9500 | 4/27 | 79 | 33.2 | 20.0 | 24.8* |
| Pickle Keg Springs | 11K39 | 9600 | 4/26 | 43 | 17.5 | - - | - - |
| Pine Creek | 12L1 | 8700 | 4/29 | 36 | 15.0 | 15.4 | 12.2* |
| Salina Creek(lower) | 11L8 | 7250 | 4/26 | 0 | 0.0 | - - | - - |
| Shingle Mill | 12L11 | 6200 | 4/28 | 0 | 0.0 | 4.1 | 1.1* |
| White Gate | 11L7 | 9350 | 4/26 | 25 | 10.1 | - - | - - |

BEAVER RIVER

| | | | | | | | |
|-------------------|------|-------|------|----|------|------|-------|
| Big Flat | 12L7 | 10000 | 4/27 | 67 | 24.1 | 16.0 | 20.2* |
| Merchant's Valley | 12L9 | 8200 | 4/27 | 23 | 7.2 | 3.6 | 3.5* |
| Otter Lake | 12L8 | 9300 | 4/27 | 53 | 18.2 | 11.2 | 14.5* |

PAROWAN CREEK

| | | | | | | | |
|------------------|-------|------|------|----|------|-----|------|
| Ed Ward Flat | 12M12 | 8300 | 4/28 | 27 | 8.9 | 2.9 | 1.4* |
| Yankee Reservoir | 12M11 | 8700 | 4/28 | 38 | 14.1 | 8.2 | 5.6* |

COAL CREEK

| | | | | | | | |
|-----------------|-------|-------|------|----|------|------|-------|
| Cedar Breaks | 12M1 | 10390 | 4/27 | 78 | 29.3 | 16.3 | 19.2* |
| Midway Valley x | 12M2 | 9800 | 4/27 | 79 | 29.0 | 17.6 | 21.4* |
| Urie Flat | 12M10 | 8450 | 4/29 | 21 | 7.8 | 0.0 | 0.8* |
| Webster Flat | 12M3 | 9200 | 4/29 | 54 | 20.8 | 12.9 | 9.5* |

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Actual observation: Water content estimated. * Estimated 1948-62, 15 year average.

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-----|-----------|---------------------|---------------------|------------------------|------------------------|----------------------|
| NAME | NO. | ELEVATION | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | |
| | | | | | | LAST YEAR | AVERAGE ^a |

COLORADO RIVER DRAINAGE

UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)

| | | | | | | | |
|-------------------------|-------|-------|--------------|----|------|------|-------|
| Black's Fork Jct. | 10J22 | 8925 | 4/21 | 39 | 14.9 | 10.1 | - - |
| Buck Pasture A | 10J23 | 9700 | Delayed Data | | | - - | - - |
| East Fk.Black's Fk.G.S. | 10J21 | 9300 | 4/21 | 42 | 15.8 | 12.8 | - - |
| Henry's Fork A | 10J24 | 10200 | Delayed Data | | | 13.0 | - - |
| Hewinta Guard Station | 10J4 | 9500 | 4/22 | 40 | 14.3 | 13.1 | 12.1* |
| Hickerson Park | 9J8 | 9100 | 4/23 | 18 | 5.7 | 8.8 | - - |
| Spirit Lake | 9J7 | 10300 | 4/23 | 53 | 17.9 | 17.9 | - - |
| Steel Creek Park | 10J20 | 9900 | 4/22 | 68 | 25.4 | 17.6 | - - |

GREEN RIVER TRIBUTARIES BETWEEN FLAMING GORGE & DUCHESNE RIVER

| | | | | | | | |
|---------------------|------|-------|--------------|----|------|------|------|
| Ashley Twin Lakes A | 9J11 | 10500 | Delayed Data | | | 12.5 | - - |
| Kings Cabin(lower) | 9J2 | 8600 | 4/22 | 38 | 11.8 | 6.4 | 5.5* |
| Kings Cabin(upper) | 9J1 | 8730 | 4/22 | 46 | 14.3 | 8.5 | 7.9* |
| Reynolds Park | 9J10 | 10400 | Delayed Data | | | 16.0 | - - |
| Windy Park | 9J12 | 9400 | Delayed Data | | | 3.5 | - - |

DUCHESNE RIVER

| | | | | | | | |
|--------------------------|-------|-------|--------------|----|------|------|-------|
| Atwood Basin A | 10J27 | 10250 | Delayed Data | | | 7.5 | - - |
| Chepeta-Whiterocks Lks A | 9J9 | 10300 | Delayed Data | | | 12.0 | - - |
| Daniels-Strawberry Smt.x | 11J23 | 8000 | 4/30 | 22 | 9.6 | 11.7 | 8.4* |
| Five Point Lake A | 10J26 | 11000 | Delayed Data | | | 16.2 | - - |
| Indian Canyon | 10K1 | 9100 | 4/29 | 53 | 21.4 | 11.7 | 8.4* |
| Julius Park | 9J6 | 9800 | 4/27 | 52 | 17.0 | 12.6 | 13.9* |
| Lakefork Basin | 10J25 | 11100 | Delayed Data | | | 30.0 | - - |
| Lakefork Mountain | 10J10 | 10500 | 4/26 | 53 | 17.6 | 12.9 | 12.0* |
| Lakefork Mountain #2 | 10J11 | 8900 | 4/26 | 29 | 10.1 | 4.1 | 2.6* |
| Lakefork Mountain #3 | 10J12 | 8100 | 4/26 | 17 | 5.1 | 0.9 | 0.3* |
| Mosby Mountain | 9J5 | 9500 | 4/27 | 44 | 13.6 | 9.0 | 10.1* |
| Paradise Park | 9J3 | 10100 | 4/27 | 51 | 15.9 | 9.9 | 13.0* |
| Soapstone R. S. x | 11J25 | 7800 | 4/28 | 32 | 14.1 | 11.1 | 5.5* |
| Trial Lake x | 10J8 | 9800 | 4/28 | 92 | 38.8 | 24.9 | 30.9* |
| White River #1 x | 10K2 | 8600 | 4/29 | 40 | 16.6 | 12.6 | 10.5* |

PRICE RIVER

| | | | | | | | |
|---------------------------|-------|------|------|----|------|------|-------|
| Corral | 10K5 | 8200 | 4/30 | 29 | 11.2 | - - | - - |
| Dry Valley Divide | 11K8 | 7800 | 4/28 | 21 | 8.0 | 5.2 | 4.5* |
| Gooseberry Reservoir | 11K4 | 8700 | 4/29 | 53 | 23.1 | 20.0 | 17.9* |
| Grassy Trail Crk-Left Fk. | 10K3 | 7970 | 4/30 | 28 | 10.2 | - - | - - |
| Indian Canyon x | 10K1 | 9100 | 4/29 | 53 | 21.4 | 11.7 | 8.4* |
| Mammoth R.S.-Ctnwd.Crk.x | 11K3 | 8800 | 4/29 | 53 | 23.5 | 20.4 | 18.8* |
| Mud Creek #2 | 11K33 | 8300 | 4/28 | 46 | 18.1 | 8.5 | 7.1* |
| Timberline | 10K6 | 9100 | 4/30 | 55 | 22.1 | - - | 11.5* |

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-----|-----------|---------------------|---------------------|------------------------|------------------------|----------------------|
| | | | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | |
| NAME | NO. | ELEVATION | | | | LAST YEAR | AVERAGE ^a |

PRICE RIVER - Continued

| | | | | | | | |
|----------------|-------|------|------|----|------|------|-------|
| White River #1 | 10K2 | 8600 | 4/29 | 40 | 16.6 | 12.6 | 10.5* |
| White River #2 | 11K24 | 7600 | 4/29 | 7 | 2.6 | 2.1 | 1.2* |
| White River #3 | 11K25 | 7400 | 4/29 | 0 | 0.0 | 0.0 | 0.2* |

SAN RAFAEL RIVER

| | | | | | | | |
|--------------------------|-------|-------|------|----|------|-------|-------|
| Buck Flat | 11K31 | 9400 | 4/26 | 63 | 24.4 | 13.4 | 16.5* |
| Gooseberry Reservoir | 11K4 | 8700 | 4/29 | 53 | 23.1 | 20.0 | 17.9* |
| Mammoth R.S.-Ctnwd.Crk.x | 11K3 | 8800 | 4/29 | 53 | 23.5 | 20.4 | 18.8* |
| Red Pine Ridge | 11K28 | 9400 | 4/27 | 60 | 24.5 | 14.4 | 14.2* |
| Rush Pond | 11K38 | 9800 | 4/26 | 57 | 21.4 | 9.1 | 12.0* |
| Seely Creek R.S. | 11K9 | 10000 | 4/30 | 63 | 24.1 | 12.7 | 16.1* |
| Stuart R.S. | 11K27 | 7950 | 5/3 | 0 | 0.0 | Trace | 1.3* |
| Switchback | 11K26 | 8600 | 5/3 | 31 | 13.0 | 15.3 | 13.1* |
| Upper Joe's Valley | 11K29 | 8800 | 4/26 | 32 | 12.1 | 3.8 | 4.4* |
| Wrigley Creek | 11K32 | 9000 | 4/26 | 46 | 15.4 | 5.9 | 6.5* |

MUDDY RIVER

| | | | | | | | |
|------------------|-------|------|------|----|------|------|-------|
| Mt. Baldy R.S. x | 11K12 | 9500 | 4/27 | 79 | 33.2 | 20.0 | 24.8* |
|------------------|-------|------|------|----|------|------|-------|

FREMONT RIVER

| | | | | | | | |
|------------------------|------|------|------|----|------|------|-------|
| Black's Flat-U.M. Crk. | 11L4 | 9250 | 4/29 | 34 | 12.5 | 7.6 | 8.0* |
| Farnsworth Lake x | 11L1 | 9900 | 4/28 | 71 | 28.7 | 22.1 | 19.8* |
| Fish Lake | 11L3 | 8700 | 4/29 | 17 | 5.0 | 0.7 | 3.0* |
| Johnson Valley | 11L6 | 8850 | 4/29 | 21 | 5.7 | 4.0 | 3.3* |

ESCALANTE RIVER

| | | | | | | | |
|------------------------|------|------|------|----|------|-----|-------|
| Widtsoe-Escalante Smt. | 11M1 | 9500 | 4/30 | 31 | 12.2 | 3.3 | 2.5* |
| Widtsoe-Escalante #2 | 11M2 | 9500 | 4/30 | 36 | 12.5 | 6.6 | 6.3* |
| Widtsoe-Escalante #3 | 11M3 | 9500 | 4/30 | 43 | 16.4 | 8.5 | 10.0* |

VIRGIN RIVER

| | | | | | | | |
|-----------------|------|-------|------|----|------|------|-------|
| Cedar Breaks x | 12M1 | 10390 | 4/27 | 78 | 29.3 | 16.3 | 19.2* |
| Duck Creek R.S. | 12M4 | 8560 | 4/30 | 39 | 15.2 | 6.8 | 5.2* |
| Harris Flat | 12M5 | 7700 | 4/30 | 16 | 6.4 | 0.0 | 0.3* |
| Midway Valley x | 12M2 | 9800 | 4/27 | 79 | 29.0 | 17.6 | 21.4* |
| Webster Flat | 12M3 | 9200 | 4/29 | 54 | 20.8 | 12.9 | 9.5* |

SOUTHEASTERN UTAH DRAINAGES

| | | | | | | | |
|-----------------------|-----|------|------|----|------|------|-------|
| Buckboard Flat | 9M1 | 9000 | 4/22 | 39 | 14.8 | 4.5 | 6.2* |
| Camp Jackson | 9M2 | 8600 | 4/22 | 36 | 13.0 | 3.4 | 3.1* |
| LaSal Mountain | 9L1 | 8800 | 4/23 | 10 | 3.0 | 4.1 | 2.3* |
| LaSal Mountain(upper) | 9L2 | 9600 | 4/23 | 39 | 14.5 | 11.4 | 14.3* |

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

PRECIPITATION DATA (Inches)

| DRAINAGE BASIN AND RAIN GAGE LOCATION | ELEVATION | CURRENT INFORMATION | | | FROM APPROX. 10/1 TO DATE | | |
|--|-----------|---------------------|--------------------------|----------------------|---------------------------|----------------------|-----------------------|
| | | DATE OF READING | MONTH'S PRECIPITATION | 1948 - 62 AVERAGE | THIS YEAR | 1948 - 62 AVERAGE | PERCENT OF AVERAGE |

a

a

GREAT BASIN DRAINAGE

UPPER BEAR RIVER

(Above Harer, Idaho)

| | | | | | | | |
|-------------------|------|------|------|------|-------|-------|-----|
| Chalk Creek #2* | 8000 | 4/27 | 3.48 | 2.15 | 23.60 | 18.95 | 124 |
| Chalk Creek #3* | 7500 | 4/27 | 2.95 | - - | 19.78 | - - | - - |
| Hayden Fork | 9300 | 4/23 | 4.09 | - - | 26.98 | - - | - - |
| Monte Cristo #2 | 8960 | 4/28 | 7.11 | 4.65 | 36.93 | 33.15 | 111 |
| Salt River Summit | 7900 | 4/29 | 1.80 | 2.50 | 24.60 | 20.50 | 120 |
| Stillwater Camp | 8550 | 4/23 | 3.05 | 1.65 | 17.88 | 14.65 | 122 |
| Trial Lake* | 9800 | 4/28 | 4.60 | 3.40 | 34.63 | 27.20 | 127 |

LOWER BEAR RIVER

(Below Harer, Idaho)

| | | | | | | | |
|-----------------------|------|------|------|------|-------|-------|-----|
| Dry Bread Pond | 8230 | 4/28 | 6.63 | 3.05 | 32.14 | 25.05 | 128 |
| Garden City Summit | 7600 | 4/30 | 3.46 | 2.40 | 31.68 | 21.60 | 147 |
| Klondike Narrows | 7400 | 4/30 | 4.31 | 3.25 | 38.45 | 26.70 | 144 |
| Little Bear (upper) | 6850 | 4/27 | 5.68 | 2.60 | 27.95 | 22.10 | 126 |
| Monte Cristo #2 | 8960 | 4/28 | 7.11 | 4.65 | 36.93 | 33.15 | 111 |
| Tony Grove R.S. (SCS) | 6250 | 4/30 | 3.09 | - - | 29.95 | - - | - - |
| Willow Flat | 6100 | 4/27 | 4.70 | 3.95 | - - | 27.70 | - - |

OGDEN RIVER

| | | | | | | | |
|-------------------|------|------|------|------|-------|-------|-----|
| Ben Lomond(lower) | 5850 | 4/27 | 7.54 | 3.25 | 36.85 | 29.25 | 126 |
| Ben Lomond Trail | 6000 | 4/27 | 7.85 | 3.40 | 38.62 | 30.70 | 126 |
| Causey Dam | 5500 | 4/28 | 3.82 | - - | 19.11 | - - | - - |
| Dry Bread Pond | 3230 | 4/28 | 6.63 | 3.05 | 32.14 | 25.05 | 128 |
| Horse Ridge | 8260 | 4/29 | 4.16 | - - | 36.05 | - - | - - |
| Monte Cristo #2* | 8960 | 4/28 | 7.11 | 4.65 | 36.93 | 33.15 | 111 |
| Sagebrush Flat | 6300 | 4/28 | N.R. | 2.25 | - - | 16.85 | - - |

WEBER RIVER

| | | | | | | | |
|---------------------------|------|------|------|-------|-------|--------|-----|
| Chalk Creek #1 | 9100 | 4/27 | 4.55 | - - | - - | - - | - - |
| Chalk Creek #2 | 8000 | 4/27 | 3.48 | 2.15 | 23.60 | 18.95 | 125 |
| Chalk Creek #3 | 7500 | 4/27 | 2.95 | - - | 19.78 | - - | - - |
| Farmington Guard Sta.(1) | 7500 | 4/29 | 3.58 | 4.75 | 35.83 | 34.40 | 104 |
| Farmington Rice (1) | 7000 | 4/29 | 4.00 | 4.62a | 32.80 | 31.99a | 103 |
| Horse Ridge | 8260 | 4/29 | 4.16 | - - | 36.05 | - - | - - |
| Lost Creek Reservoir | 6125 | 4/29 | 3.42 | - - | 17.47 | - - | - - |
| Mt. Dell Dam (2)* | 5500 | 4/30 | 2.30 | 2.33a | 21.26 | 15.64a | 136 |
| Parley's Canyon Smt. | 7500 | 5/1 | 4.93 | 2.80 | 32.20 | 24.30 | 133 |
| Redden Mine (upper) | 9000 | 4/29 | 5.68 | - - | - - | - - | - - |
| Silver Lake(Brighton)(2)* | 8725 | 4/30 | 5.37 | 3.68a | 37.69 | 32.99a | 114 |
| Smith & Morehouse | 7600 | 4/26 | 3.95 | 2.70 | 26.29 | 21.20 | 124 |
| Trial Lake* | 9800 | 4/28 | 4.60 | 3.40 | 34.63 | 27.20 | 127 |

(1) Data supplied by U.S. Forest Service. (2) Data supplied by U.S. Weather Bureau. a - all values estimated except those where symbol "a" occurs. *Adjacent drainage.

PRECIPITATION DATA (Inches)

| DRAINAGE BASIN AND RAIN GAGE LOCATION | ELEVATION | CURRENT INFORMATION | | | FROM APPROX. 10/1 TO DATE | | |
|--|-----------|---------------------|--------------------------|----------------------|---------------------------|----------------------|-----------------------|
| | | DATE OF READING | MONTH'S PRECIPITATION | 1948 - 62 AVERAGE | THIS YEAR | 1948 - 62 AVERAGE | PERCENT OF AVERAGE |

a

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PROVO RIVER & UTAH LAKE

| | | | | | | | |
|---------------------------|------|------|------|-------|-------|--------|-----|
| Clear Creek Ridge #2 | 8000 | 4/28 | 3.70 | 2.50 | 22.21 | 19.00 | 117 |
| Daniels-Strawberry Smt. | 8000 | 4/30 | 3.45 | 2.40 | 25.07 | 21.20 | 118 |
| Dutchman R. S. | 7500 | 4/29 | 4.40 | 2.70 | 28.77 | 29.45 | 98 |
| East Portal Ridge | 7800 | 4/29 | 2.90 | - - | 23.66 | - - | - - |
| Hobble Creek Smt. | 7300 | 4/27 | 3.32 | 2.40 | 23.00 | 20.20 | 114 |
| Payson R. S. | 8050 | 4/27 | 4.48 | 3.30 | 25.32 | 20.90 | 121 |
| Soapstone R. S. | 7800 | 4/28 | 2.90 | 2.20 | 23.46 | 18.70 | 125 |
| Strawberry Res.-E. Portal | 7606 | 4/29 | 1.40 | 1.37a | 13.40 | 11.96a | 112 |
| Timpanogos Divide | 8200 | 4/29 | 5.25 | 2.70a | 30.83 | 29.45a | 105 |
| Trial Lake | 9800 | 4/28 | 4.60 | 3.40 | 34.63 | 27.20 | 127 |

JORDAN RIVER & TOOELE VALLEY

| | | | | | | | |
|--------------------------|------|------|------|-------|-------|--------|-----|
| Middle Canyon | 7000 | 4/30 | 5.40 | 3.50 | 26.48 | 20.30 | 130 |
| Mt. Dell Dam (2) | 5500 | 4/30 | 2.30 | 2.33a | 21.26 | 15.64a | 136 |
| Parley's Canyon Smt. | 7500 | 5/1 | 4.93 | 2.80 | 32.20 | 24.30 | 133 |
| Silver Lake(Brighton)(2) | 8725 | 4/30 | 5.37 | 3.68a | 37.69 | 32.99a | 114 |

SEVIER RIVER ABOVE RICHFIELD

| | | | | | | | |
|----------------------|-------|-----------|-------|-------|-------|-------|-----|
| Big Flat* | 10290 | 4/27 | 6.87 | 3.15 | 23.98 | 21.85 | 110 |
| Box Creek | 9800 | 4/28 | 4.32 | 1.90 | 19.75 | 15.40 | 128 |
| Castle Valley | 9700 | 4/26 | 7.78 | 2.40 | 21.69 | 19.20 | 113 |
| Cedar Breaks | 10390 | 4/27 | 9.50 | 3.15 | 26.57 | 25.15 | 106 |
| Duck Creek R.S. | 8560 | 4/30 | 9.68 | 2.90 | 25.15 | 22.40 | 112 |
| Fish Lake | 8700 | 4/29 | 2.57 | 1.53 | 12.85 | 8.96 | 143 |
| Kimberly Mine | 8900 | No Report | | 2.85 | - - | 21.40 | - - |
| Panguitch Lake | 8200 | 4/26 | 2.60 | 1.10 | - - | 8.65 | - - |
| Webster Flat * | 9200 | 4/29 | 11.80 | 2.95 | 29.97 | 24.00 | 125 |
| Widtsoe-Escalante #3 | 9500 | 4/30 | 9.85 | 1.80 | 20.26 | 14.60 | 139 |
| Widtsoe R. S. | 7600 | 4/30 | 2.40 | 0.75a | 6.10 | 5.98a | 102 |

SEVIER RIVER BELOW RICHFIELD

(Including San Pitch River)

| | | | | | | | |
|--------------------------|-------|------|------|-------|-------|--------|-----|
| Beaver Dams | 8000 | 4/27 | 3.49 | 2.50 | 19.06 | 17.70 | 108 |
| Farnsworth Lake | 9900 | 4/28 | 4.22 | 2.65 | 28.87 | 21.80 | 132 |
| G.B.R.C. Headquarters(1) | 8700 | 4/30 | 4.18 | 3.41a | 25.68 | 22.45a | 114 |
| G.B.R.C. Meadows(1) | 10000 | 4/30 | 5.51 | 3.55a | 30.89 | 24.82a | 124 |
| G.B.R.C. Oaks (1) | 7655 | 4/30 | 2.34 | 2.24a | 16.67 | 15.52a | 107 |
| Gooseberry R.S. (1) | 7800 | 4/28 | 3.14 | 1.85 | 21.11 | 15.10 | 140 |
| Gooseberry Reservoir* | 8700 | 4/29 | 4.44 | 2.80 | 25.78 | 21.60 | 119 |
| Mammoth R. S. #2* | 8600 | 4/29 | 4.03 | 2.75 | 26.82 | 21.45 | 125 |
| Mt. Baldy R.S. | 9500 | 4/27 | 5.99 | - - | 25.05 | - - | - - |
| Pickle Keg Springs | 9600 | 4/26 | 2.84 | - - | 19.26 | - - | - - |
| Pine Creek | 8700 | 4/29 | 4.55 | 3.70 | 27.37 | 27.40 | 100 |
| Salina Creek (lower) | 7250 | 4/26 | 1.48 | - - | 10.53 | - - | - - |
| Shingle Mill | 6200 | 4/28 | 2.80 | 2.15 | 18.36 | 17.50 | 105 |
| White Gate | 9350 | 4/26 | 2.20 | - - | 13.56 | - - | - - |

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PRECIPITATION DATA (Inches)

| DRAINAGE BASIN AND RAIN GAGE LOCATION | ELEVATION | CURRENT INFORMATION | | | FROM APPROX. 10/1 TO DATE | | |
|--|-----------|---------------------|--------------------------|----------------------|---------------------------|----------------------|-----------------------|
| | | DATE OF READING | MONTH'S PRECIPITATION | 1948 - 62 AVERAGE | THIS YEAR | 1948 - 62 AVERAGE | PERCENT OF AVERAGE |

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BEAVER RIVER

| | | | | | | | |
|-----------------------|-------|------|------|-------|-------|--------|-----|
| Beaver Canyon P.H.(2) | 7275 | 4/30 | 2.54 | 1.85a | 10.65 | 12.19a | 87 |
| Big Flat | 10290 | 4/27 | 6.87 | 3.15 | 23.98 | 21.85 | 110 |

PAROWAN CREEK

| | | | | | | | |
|------------------|------|------|------|------|-------|-------|-----|
| Yankee Reservoir | 8700 | 4/28 | 3.88 | 1.65 | 18.42 | 13.60 | 135 |
|------------------|------|------|------|------|-------|-------|-----|

COAL CREEK

| | | | | | | | |
|---------------|-------|------|-------|------|-------|-------|-----|
| Cedar Breaks | 10390 | 4/27 | 9.50 | 3.15 | 26.57 | 25.15 | 106 |
| Webster Flat* | 9200 | 4/29 | 11.80 | 2.95 | 29.97 | 24.00 | 125 |

ENTERPRISE TO NEW HARMONY DRAINAGE

| | | | | | | | |
|---------------------|------|------|------|------|-------|-------|-----|
| Little Grassy Creek | 6100 | 4/29 | 8.33 | 2.00 | 18.40 | 13.90 | 132 |
| Long Flat | 8000 | 4/30 | 6.45 | 2.30 | 19.20 | 16.30 | 118 |

COLORADO RIVER DRAINAGE

UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)

| | | | | | | | |
|------------------------|-------|------|------|-----|-------|------|-----|
| Black's Fork Jct. | 8925 | 4/21 | 2.85 | - - | 19.30 | -- - | - - |
| Burnt Creek | 7900 | 4/23 | 2.15 | - - | 11.87 | - - | - - |
| E.Fk. Black's Fk. G.S. | 9300 | 4/21 | 2.93 | - - | 17.30 | - - | - - |
| Hewinta G. S. | 9500 | 4/22 | 4.05 | - - | 19.20 | - - | - - |
| Spirit Lake | 10300 | 4/23 | 5.52 | - - | 19.25 | - - | - - |

GREEN RIVER TRIBUTARIES BETWEEN FLAMING GORGE & DUCHESNE RIVER

| | | | | | | | |
|---------------------|------|------|------|------|-------|-------|-----|
| Grizzly Ridge | 8500 | 4/23 | 5.53 | - - | 17.38 | - - | - - |
| King's Cabin(upper) | 8730 | 4/22 | 6.51 | 2.20 | 15.53 | 14.95 | 104 |

DUCHESNE RIVER

| | | | | | | | |
|--------------------------|-------|-----------|------|--------|-------|--------|-----|
| Brown Duck Ridge | 10800 | No Report | | - - | - - | - - | - - |
| Currant Creek | 7800 | 4/29 | 2.71 | 1.80 | 17.57 | 15.10 | 116 |
| Daniels-Strawberry Smt.* | 8000 | 4/30 | 3.45 | 2.40 | 25.07 | 21.20 | 118 |
| East Portal Ridge* | 7800 | 4/29 | 2.90 | - - | 23.66 | - - | - - |
| Indian Canyon | 9100 | 4/29 | 4.65 | 2.15 | 21.99 | 17.35 | 127 |
| Jackson Park | 10650 | No Report | | - - | - - | - - | - - |
| Julius Park | 9800 | 4/27 | 6.67 | 2.00 | 17.61 | 16.90 | 104 |
| Lakefork Mountain | 10500 | 4/26 | 5.64 | 1.70 | 20.00 | 15.80 | 127 |
| Moon Lake | 8150 | 4/30 | 3.40 | 1.05 a | 12.15 | 9.34 a | 130 |
| Mosby Mountain | 9500 | 4/27 | 6.31 | - - | 16.99 | - - | - - |
| Paradise Park | 10100 | 4/27 | 7.55 | 2.10 | 19.43 | 18.10 | 107 |
| Rock Creek | 7900 | 4/30 | 3.53 | 1.35 | 16.63 | 13.50 | 123 |
| Soapstone R. S. * | 7800 | 4/28 | 2.90 | 2.20 | 23.46 | 18.70 | 125 |

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PRECIPITATION DATA (Inches)

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|--|-----------|---------------------|--------------------------|----------------------|---------------------------|----------------------|-----------------------|
| | | DATE OF READING | MONTH'S PRECIPITATION | 1948 - 62 AVERAGE | THIS YEAR | 1948 - 62 AVERAGE | PERCENT OF AVERAGE |

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DUCHESNE RIVER - Continued

| | | | | | | | |
|----------------------------|------|------|------|-------|-------|--------|-----|
| Strawberry Res.-E. Portal* | 7606 | 4/29 | 1.40 | 1.37a | 13.40 | 11.96a | 112 |
| Trial Lake | 9800 | 4/28 | 4.60 | 3.40 | 34.63 | 27.20 | 127 |
| White River #1* | 8600 | 4/29 | 3.50 | 2.25 | 20.20 | 18.25 | 111 |

PRICE RIVER

| | | | | | | | |
|-----------------------|------|------|------|------|-------|-------|-----|
| Clear Creek Ridge #2* | 8000 | 4/28 | 3.70 | 2.50 | 22.21 | 19.00 | 117 |
| Gooseberry Reservoir | 8700 | 4/29 | 4.44 | 2.80 | 25.78 | 21.60 | 119 |
| Indian Canyon | 9100 | 4/29 | 4.65 | 2.15 | 21.99 | 17.35 | 127 |
| Mammoth R. S. #2 | 8600 | 4/29 | 4.03 | 2.75 | 26.82 | 21.45 | 125 |
| Mud Creek | 8300 | 4/28 | 4.30 | 2.60 | 25.20 | 18.10 | 139 |
| White River #1 | 8600 | 4/29 | 3.50 | 2.25 | 20.20 | 18.25 | 111 |

SAN RAFAEL RIVER

| | | | | | | | |
|-----------------------|-------|------|------|-------|-------|--------|-----|
| Buck Flat | 9400 | 4/26 | 5.30 | 3.10 | 26.60 | 20.25 | 131 |
| G.B.R.C. Meadows*(1) | 10000 | 4/30 | 5.51 | 3.55a | 30.89 | 24.82a | 124 |
| Gooseberry Reservoir* | 8700 | 4/29 | 4.44 | 2.80 | 25.78 | 21.60 | 119 |
| Red Pine Ridge | 9400 | 4/27 | 4.40 | 3.50 | 30.50 | 24.20 | 126 |
| Stuart R. S. | 7950 | 5/31 | 3.10 | 2.40 | 20.25 | 15.30 | 132 |

MUDDY RIVER

| | | | | | | | |
|------------------|------|------|------|-----|-------|-----|-----|
| Mt. Baldy R. S.* | 9500 | 4/27 | 5.99 | - - | 25.05 | - - | - - |
|------------------|------|------|------|-----|-------|-----|-----|

FREMONT & ESCALANTE RIVERS

| | | | | | | | |
|-------------------------|------|------|------|------|-------|-------|-----|
| Black's Flat-U.M. Creek | 9250 | 4/29 | 3.17 | 1.70 | 17.77 | 13.70 | 130 |
| Farnsworth Lake* | 9900 | 4/28 | 4.22 | 2.65 | 28.87 | 21.80 | 132 |
| Fish Lake | 8700 | 4/29 | 2.57 | 1.53 | 12.85 | 8.96 | 143 |
| Widtsoe-Escalante #3 | 9500 | 4/30 | 9.85 | 1.80 | 20.26 | 14.60 | 139 |

VIRGIN RIVER

| | | | | | | | |
|-----------------|------|------|-------|------|-------|-------|-----|
| Duck Creek R.S. | 8560 | 4/30 | 9.68 | 2.90 | 25.15 | 22.40 | 112 |
| Webster Flat | 9200 | 4/29 | 11.80 | 2.95 | 29.97 | 24.00 | 125 |

SOUTHEASTERN UTAH DRAINAGES

| | | | | | | | |
|-----------------------|------|------|------|------|-------|-------|----|
| Buckboard Flat | 9000 | 4/22 | 5.80 | 2.70 | 21.35 | 23.90 | 89 |
| Camp Jackson | 8600 | 4/22 | 4.90 | 2.15 | 17.70 | 18.90 | 94 |
| LaSal Mountain(upper) | 9600 | 4/23 | 3.90 | 3.05 | 19.90 | 22.70 | 88 |

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Agencies Cooperating in Utah Snow Surveys

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Forest Service
U. S. Department of Commerce
Weather Bureau
U. S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

STATE AGENCIES

Utah Agricultural Experiment Station
Utah Fish and Game Department
Utah State Engineer
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner
Utah Water and Power Board

MUNICIPALITIES

Manti
Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

PRIVATE AGENCIES

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